

Listing of Claims:

1. (Currently Amended) An image processing system comprising:

- an image capturing unit; and
- an image processing unit,

the image capturing unit comprising:

- an image pick-up optical system which picks-up an image of a subject;
- an image pick-up device unit which obtains a subject signal from the subject;
- a plurality of illuminating light sources with different characteristics of spectroscopic distributions; and
- a photographing operating unit which performs an image photographing operation, the image capturing unit interlocking the plurality of illuminating light sources with an exposure timing of the image pick-up device unit, selectively lighting-on the plurality of illuminating light sources, and thus obtaining a plurality of subject spectroscopic images, and

the image processing unit comprising:

- an image memory unit which stores the subject spectroscopic images photographed by the image pick-up unit; ~~and~~

wherein the image processing unit calculates a desired image based on the image signal stored in the image memory unit, and

wherein the image processing unit further comprises an image identification calculating unit which calculates grade data to be used to determine a grade of a color of the subject based on the subject spectroscopic images stored in the image memory unit.

Claims 2-16. (Canceled)

17.(New) The image processing system according to claim 1, wherein the grade data indicates a grade of a shading guide for comparing the color of a tooth as the subject.

18. (New) The image processing system according to claim 1, wherein the image processing unit calculates a ceramic compounding ratio of a false tooth based on the grade data to obtain false tooth ceramic compounding ratio data.

19. (New) The image processing system according to claim 18, further comprising a computer connected to the image processing unit through a network, wherein the image processing unit transfers the grade data and the false tooth ceramic compounding ratio data to the computer.

20. (New) The image processing system according to claim 19, further comprising a ceramic compounding ratio calculation

database connected to the computer, wherein the computer searches for a ceramic compounding ratio from the ceramic compounding ratio calculation database based on the grade data and the false tooth ceramic compounding ratio data.

21. (New) The image processing system according to claim 1, further comprising a monitor connected to the image processing unit, wherein the image identification calculating unit calculates the grade data before and after treatment of the subject, and the grade data is displayed on the monitor.

22. (New) The image processing system according to claim 1, wherein the image capturing unit further comprises an abutting portion formed in a cylindrical shape which abuts the subject.

23. (New) The image processing system according to claim 22, wherein the abutting portion is configured to be detachably attached to the image capturing unit.

24. (New) The image processing system according to claim 1, wherein the image capturing unit further comprises reflected light rejecting means for preventing the illuminating light source from being photographed to the subject.

25. (New) The image processing system according to claim 1, wherein the image capturing unit further comprises an optical member which reduces the illuminating unhomogeneity between the illuminating light source and the subject.

26. (New) The image processing system according to claim 1, wherein the plurality of illuminating light sources include at least one of: (i) a light source with a center wavelength of 780 to 900 nm, and (ii) a light source with a center wavelength of 300 to 380 nm.

27. (New) The image processing system according to claim 1, wherein the image capturing unit and the image processing unit are integrally formed.

28. (New) The image processing system according to claim 1, wherein the image capturing unit includes a color chip for calibration in the image processing unit.

29. (New) The image processing system according to claim 1, wherein the image capturing unit comprises a portable terminal device having a photographing function, and wherein an illuminating light source unit having the plurality of illuminating light sources as one unit is attachable to the portable terminal device.

30. (New) The image processing system according to claim 1, wherein the image processing unit comprises image filing software, and image data photographed upon operating the photographing operating unit is recorded in accordance with the image filing software.

31. (New) The image processing system according to claim 1, wherein the image capturing unit further comprises subject portion sensing means for obtaining positional information of the subject.

32. (New) The image processing system according to claim 1, wherein the image capturing unit further comprises distance measuring means for managing a size of the subject in the photographed image.

33. (New) The image processing system according to claim 32, wherein the image capturing unit further comprises a monitor which displays the image of the subject, and wherein the image capturing unit controls the monitor to display a difference
5 between a photographing distance measured by the distance measuring means and a target photographing distance.

34. (New) The image processing system according to claim 32,
wherein the image capturing unit further comprises a monitor
which displays the image of the subject, and wherein the image
capturing unit controls the monitor to display an indication that
5 the photographing distance measured by the distance measuring
means matches a target photographing distance.

35. (New) The image processing system according to claim 32,
wherein the image capturing unit further comprises a monitor
which displays the image of the subject, and wherein the image
capturing unit obtains information of a desired photographing
5 distance from images previously picked up, calculates a
magnification correcting coefficient based on information of an
actual photographing distance measured by the distance measuring
means and the desired photographing distance information, and
controls the monitor to display the image of the subject with a
10 magnification corrected based on the magnification correcting
coefficient.